

Claims:

We claim:

1. A process for determining overlap between a selection region and an object comprising the step of:
 - receiving said selection region;
 - determining a bounding area of said object;
 - adding points to said bounding area;
 - determining a ratio of points within said selection region to total points;
 - adding or not adding said object to a list of selected objects.
2. The process according to claim 1, said points being randomly placed in said bounding area.
3. The process according to claim 1, said points being placed in a pattern in said bounding area.
4. The process according to claim 1, said points being placed on lines within said bounding area.
5. The process according to claim 1, the density of points added to said bounding area being inversely proportional to the size of the object.
6. A process for modifying the behavior of an ink editor with an associated ink editor behavior comprising the steps of:
 - determining if a new ink editing mode is supported by a derived class of ink editors;
 - determining if a stylus or pen is up;
 - associating the ink editing mode with an ink editor.
7. The process according to claim 6, wherein said editing mode includes an inking mode.
8. The process according to claim 6, wherein said editing mode includes a selection mode.
9. The process according to claim 6, wherein said editing mode includes an erasing mode.
10. The process according to claim 6, wherein said editing mode includes a custom mode.

11. A process for associating an ink editor to an ink canvas comprising the steps of:
attaching an ink editor to an ink canvas;
determining an editing mode;
handling user input based on the attached editing mode.
12. The process according to claim 11, further comprising the steps of:
upon determining said editing mode is ink, then activating an ink collection behavior.
13. The process according to claim 11, further comprising the steps of:
upon determining said editing mode is erase, then activating an erase behavior.
14. The process according to claim 11, further comprising the steps of:
upon determining said editing mode is custom, then activating a custom behavior.
15. The process according to claim 11, further comprising the steps of:
upon determining said editing mode is selection, then activating an ink selection behavior.
16. The process according to claim 15, further comprising the steps of:
monitoring for up/down events and move events;
performing one or more actions based on the up/down events and move events.